



SKILLSHEET 10.5

Finding a percentage of a quantity (money)

To find a percentage of a quantity, change the percentage to a decimal and multiply by the quantity.

Note: To change a percentage into a decimal we need to divide it by 100. This is done by simply moving the decimal point two places to the left.

WORKED EXAMPLE

Find 43% of \$168.40.

THINK

- 1 Write the question.
- 2 Write the percentage as a decimal and change the 'of' to \times .
- 3 Simplify.

WRITE

$$\begin{aligned} &43\% \text{ of } \$168.40 \\ &= \$(0.43 \times 168.40) \\ &= \$72.41 \end{aligned}$$

Try these

Find each of the following.

- | | | |
|---|--|--|
| 1 48% of \$800
$= \$(0.48 \times \dots\dots\dots)$
$= \$\dots\dots\dots$ | 2 30% of \$118
$= \$(\dots\dots\dots \times \dots\dots\dots)$
$= \$\dots\dots\dots$ | 3 12.7% of \$6.40
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ |
| 4 75% of \$200
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ | 5 5% of \$120
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ | 6 3% of \$5000
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ |
| 7 40% of \$300
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ | 8 9% of \$647.25
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ | 9 96.7% of \$8000
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ |
| 10 0.007% of \$2000
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ | 11 $4\frac{1}{4}\%$ of \$360
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ | 12 $1\frac{2}{3}\%$ of \$465
$= \dots\dots\dots$
$= \dots\dots\dots$
$= \dots\dots\dots$ |

SKILLSHEET — ANSWERS

SKILLSHEET 10.5

Finding a percentage of a quantity (money)

- | | | | |
|----------|-----------|------------|-----------|
| 1 \$384 | 2 \$35.40 | 3 \$0.80 | 4 \$150 |
| 5 \$6 | 6 \$150 | 7 \$120 | 8 \$58.25 |
| 9 \$7736 | 10 \$0.14 | 11 \$15.30 | 12 \$7.75 |